

**REMARKS**

The Applicant wishes to thank the Examiner for thoroughly reviewing and considering the pending application. The Official Action dated July 31, 2002 has been received and carefully reviewed. Claims 1, 10, 11, 14, 16, 19, 23-25, 29-31, and 33 have been amended. No new matter has been added. Claims 1-34 are currently pending. Reexamination and reconsideration is respectfully requested.

The Official Action objected to the specification. The Applicant has corrected the specification as noted above and requests that the rejection be withdrawn.

The Official Action also rejected claims 1-25 under 35 U.S.C. §112, second paragraph. In the Official Action, the Examiner objected to “temperature control logic” as being an intangible. The Applicant submits that one of ordinary skill in the art would readily appreciate that “temperature control logic” involves hardware and/or software which corresponds to the claimed temperature control systems, as clearly shown with reference to Figures 2 and 3 of the originally filed application. Furthermore, with regards to the additional rejections discussed in the Official Action, the Applicant has amended the claims, as noted above, and respectfully submits that the amendments address the Examiner’s concerns. Therefore, the Applicant respectfully requests that the rejections under 35 U.S.C. §112, second paragraph be withdrawn.

In addition, the Official Action rejected claims 14-23, 25-27 and 29 under 35 U.S.C. §102(b) as being anticipated by U.S. Patent No. 5,613,364 (hereinafter “*Higgins*”). The Applicant respectfully traverses this rejection.

As required in Chapter 2131 of the M.P.E.P., in order to anticipate a claim under 35 U.S.C. §102, “the reference must teach every element of the claim.” The Applicant respectfully



submits that *Higgins* does not teach every element recited in claims 14-23, 25-27 and 29.

*Higgins* cannot, therefore, anticipate any of the claims. To further illustrate, claim 14 now recites a temperature control system for a process component of a semiconductor processing facility including, among other things, “an integrated heat exchanger including a portion of the cooling fluid circulation loop, a portion of the heat transfer fluid circulation loop and a heat source.” In addition, claim 25 now recites a temperature control system for a process component of a semiconductor processing facility comprising an integrated heat exchanger “where the integrated heat exchanger includes a portion of the cooling fluid circulation loop, a portion of the heat transfer fluid circulation loop and the heat source.” *Higgins*, in contrast, does not disclose a temperature control system having an integrated heat exchanger. Therefore, the Applicant respectfully submits that *Higgins* fails to disclose each and every element recited in claims 14 and 25, as required under 35 U.S.C. §102(b), and requests that the rejection be withdrawn. Claims 15-23, which depend from claim 14; and claims 26, 27 and 29, which depend from claim 25, are also patentable over *Higgins* for at least the same reason.

The Official Action also rejected claims 1-34 under 35 U.S.C. §102(e) as being anticipated by U.S. Patent No. 6,209,334 (hereinafter “*Cowans*”). This rejection is traversed.

The Applicant respectfully submits that *Cowans* does not teach each and every element recited in claims 1-34. For example, claim 1 now recites a temperature control system for a semiconductor processing facility comprising, among other features, “an integrated heat exchanger including a portion of the cooling fluid circulation loop, a portion of the heat transfer fluid circulation loop and a heat source.” Furthermore, claim 31 now recites a temperature control system for a semiconductor processing facility comprising in part an integrated heat exchanger “where the integrated heat exchanger includes a portion of the cooling fluid



circulation loop, a portion of the heat transfer fluid circulation loop and the heat source”.

Similarly, amended claim 33 recites a temperature control system for a process component of a semiconductor processing facility comprising, among other features, an integrated heat exchanger “where the integrated heat exchanger includes a portion of the cooling fluid circulation loop, a portion of the heat transfer fluid circulation loop and the heat source.” As stated above, independent claims 14 and 25 recite similar features. *Cowans* does not disclose a temperature control system having an integrated heat exchanger as recited in claims 1, 14, 25, 31 and 33. As such, the Applicant respectfully submits that *Cowans* fails to disclose each and every element recited in claims 1, 14, 25, 31 and 33, as required under 35 U.S.C. §102(e), and requests that the rejection be withdrawn. Likewise, claims 2-13, which depend from claim 1; claims 15-24, which depend from claim 14; claims 26-30, which depend from claim 30; claim 32, which depends from claim 31; and claim 34, which depends from claim 35, are patentable for at least the same reasons.

The Official Action also indicated that claims 1-10, 14-23 and 25-29 conflict with claims 1-25 of Application No. 09/780,713 and provisionally rejected claims 1-10, 14-23 and 25-29 under 35 U.S.C. §101. The Applicant respectfully submits that claims 1, 14 and 25 have been amended such that claims 1-10, 14-23 and 25-29 further distinguish over Application No. 09/780,713. Thus, the Applicant requests that the rejection under 35 U.S.C. §101 be withdrawn.

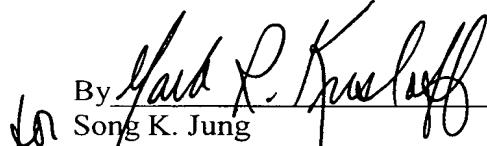
In view of the above, each of the presently pending claims in this application is believed to be in immediate condition for allowance. Accordingly, the Examiner is respectfully requested to withdraw the outstanding rejection of the claims and to pass this application to issue.



The Applicant hereby authorizes the Commissioner of Patents to charge any fees necessary to complete this filing, including any fees required under 37 C.F.R. §1.136 for any necessary Extension of Time to make the filing of the attached documents timely, or credit any overpayment in fees, to Deposit Account No. 50-0911. Further, if these papers are not considered timely filed, then a petition is hereby made under 37 C.F.R. §1.136 for the necessary extension of time.

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Respectfully submitted,

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